

Safety Data Sheet

according to Hazard Communication Standard; 29 CFR 1910.1200



Windex Concentrate Glass Cleaner Pod

Version 1.2

Print Date 01/21/2022

Revision Date 11/01/2021

SDS Number 350000041094

GEN_SOF Number 73250

1. PRODUCT AND COMPANY IDENTIFICATION

Product information

Product name : Windex Concentrate Glass Cleaner Pod

Recommended use : concentrate This product is intended to be diluted prior to use.

Restrictions on use : Use only as directed on label

Manufacturer, importer, supplier : S.C. Johnson & Son, Inc.
1525 Howe Street
Racine WI 53403-2236

Telephone : +1-800-558-5252

Emergency telephone number : 24 Hour Medical Emergency Phone: (866)231-5406
24 Hour Transport Emergency Phone: (800)424-9300

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Globally Harmonized System (GHS) Classification

Hazard classification	Hazard category	Hazards identification
Flammable liquids	Category 3	Flammable liquid and vapour.
Skin irritation	Category 2	Causes skin irritation.
Serious eye damage	Category 1	Causes serious eye damage.

Labelling

Hazard symbols

Flame
Corrosion

Signal word

Danger

Hazard statements

Flammable liquid and vapour.
Causes skin irritation.

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Causes serious eye damage.

Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

In case of fire: Use alcohol-resistant foam, carbon dioxide or dry sand to extinguish.

Immediately call a POISON CENTER/doctor.

Specific treatment (see supplemental first aid instructions on this label).

IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Store in a well-ventilated place. Keep cool.

Dispose of contents/ container to an approved incineration plant.

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ ventilating/ lighting equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Wear protective gloves.

Wash hands thoroughly after handling.

Other hazards : None identified

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS-No.	Weight percent
Isopropanol	67-63-0	10.00 - 30.00
Hexylene glycol	107-41-5	10.00 - 30.00
Diisopropanolamine	110-97-4	10.00 - 30.00
Polyvinyl Alcohol Fully Caponified	9002-89-5	5.00 - 10.00
Dipropylene glycol methyl ether	34590-94-8	5.00 - 10.00
Alcohols, C9-11, ethoxylated (EO = 6)	68439-46-3	1.00 - 5.00
Ethoxylated Linear Alcohol 9 EO	68131-40-8	1.00 - 5.00
Fragrance - Trade Secret	Mixture	1.00 - 5.00

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The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

For additional information on product ingredients, see www.whatsinsidescjohnson.com.

4. FIRST AID MEASURES

Description of first aid measures

- Eye contact** : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
- Skin contact** : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash off with plenty of water. Take off contaminated clothing and wash before reuse.
- Inhalation** : No special requirements.
- Ingestion** : No special requirements

Most important symptoms and effects, both acute and delayed

- Eyes** : Causes serious eye damage.
- Skin effect** : Causes skin irritation.
No adverse effects expected when used as directed.
- Inhalation** : May cause respiratory tract irritation.
- Ingestion** : May cause irritation to mouth, throat and stomach.
May cause abdominal discomfort.
No adverse effects expected when used as directed.

Indication of any immediate medical attention and special treatment needed

See Description of first aid measures unless otherwise stated.

5. FIREFIGHTING MEASURES

- Suitable extinguishing** : Use water spray, alcohol-resistant foam, dry chemical or

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media	carbon dioxide.
Specific hazards during firefighting	: Flammable liquid. Vapors are heavier than air and may travel to a source of ignition and flash back. Liquid run-off to sewers may create fire/explosion hazard. Container may melt and leak in heat of fire.
Further information	: Cool and use caution when approaching or handling fire-exposed containers. For large quantities of flammable liquids, consider containment to prevent the spread of fire. Wear full protective clothing and positive pressure self-contained breathing apparatus. In case of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	: Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Wear personal protective equipment. Wash thoroughly after handling.
Environmental precautions	: Outside of normal use, avoid release to the environment.
Methods and materials for containment and cleaning up	: Soak up with inert absorbent material. Use only non-sparking equipment. Dike large spills. Clean residue from spill site.

7. HANDLING AND STORAGE

Handling	
Precautions for safe handling	: Avoid contact with skin, eyes and clothing. For personal protection see section 8. Use only as directed. KEEP OUT OF REACH OF CHILDREN AND PETS. Wash thoroughly after handling.

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Advice on protection against fire and explosion : Keep away from sources of ignition - No smoking.
Take measures to prevent the build up of electrostatic charge.
Use only non-sparking tools.
Use explosion-proof equipment.
Ground/bond container and receiving equipment.

Storage

Requirements for storage areas and containers : Keep container closed when not in use.
Keep tightly closed.
Store in a well-ventilated place. Keep cool.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Occupational Exposure Limits**

Components	CAS-No.	mg/m3	ppm	Non-standard units	Basis
Isopropanol	67-63-0	980 mg/m3	400 ppm	-	OSHA TWA
Isopropanol	67-63-0	-	400 ppm	-	ACGIH STEL
Isopropanol	67-63-0	-	200 ppm	-	ACGIH TWA
Hexylene glycol	107-41-5	-	50 ppm	-	ACGIH STEL
Hexylene glycol	107-41-5	10 mg/m3	-	-	ACGIH STEL
Hexylene glycol	107-41-5	-	25 ppm	-	ACGIH TWA
Dipropylene glycol methyl ether	34590-94-8	600 mg/m3	100 ppm	-	OSHA TWA
Dipropylene glycol methyl ether	34590-94-8	-	150 ppm	-	ACGIH STEL
Dipropylene glycol methyl ether	34590-94-8	-	100 ppm	-	ACGIH TWA

Personal protective equipment

Respiratory protection : Substantial amounts of mist/vapors can be controlled with local exhaust ventilation or respiratory protection.

Hand protection : Wear suitable gloves.

Eye protection : Safety glasses with side-shields
Wear splash-resistant Chemical goggles.

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Skin and body protection : No special requirements.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

Color : blue

Odour : solvent-like

Odour Threshold : Test not applicable for this product type

pH : 11.2

Melting point/freezing point : Test not applicable for this product type

Initial boiling point and boiling range : Test not applicable for this product type

Flash point : 33 C
91.4 °F
Method: Pensky Martens closed cup

Evaporation rate : Test not applicable for this product type

Flammability (solid, gas) :

Upper/lower flammability or explosive limits : Test not applicable for this product type

Vapour pressure : Test not applicable for this product type

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Vapour density	:	
Relative density	:	0.9209 g/cm ³ at 20 C
Solubility(ies)	:	soluble
Partition coefficient: n-octanol/water	:	Test not applicable for this product type
Auto-ignition temperature	:	Test not applicable for this product type
Decomposition temperature	:	Test not applicable for this product type
Viscosity, dynamic	:	10 mPa.s at 25 C
Viscosity, kinematic	:	Test not applicable for this product type
Oxidizing properties	:	Test not applicable for this product type
Volatile Organic Compounds Total VOC (wt. %)*	:	34.5 % - additional exemptions may apply *as defined by US Federal and State Consumer Product Regulations
Other information	:	None identified

10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable under recommended storage conditions.

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Possibility of hazardous reactions	: If accidental mixing occurs and toxic gas is formed, exit area immediately. Do not return until well ventilated.
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: Do not mix with bleach or any other household cleaners. Strong bases
Hazardous decomposition products	: Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50 4929 mg/kg
Acute inhalation toxicity	: LC50 > 10 mg/L
Acute dermal toxicity	: LD50 > 5000 mg/kg

GHS Properties	Classification	Routes of entry
Acute toxicity	No classification proposed	Oral
Acute toxicity	No classification proposed	Dermal
Acute toxicity	No classification proposed	Inhalation - Dust and Mist
Acute toxicity	No classification proposed	Inhalation - Vapour
Acute toxicity	No classification proposed	Inhalation - Gas
Skin irritation	Category 2	-
Serious eye damage	Category 1	-
Skin sensitisation	No classification proposed	-
Respiratory	No classification proposed	-

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sensitisation		
Germ cell mutagenicity	No classification proposed	-
Carcinogenicity	No classification proposed	-
Reproductive toxicity	No classification proposed	-
Specific target organ toxicity - single exposure	No classification proposed	-
Specific target organ toxicity - repeated exposure	No classification proposed	-
Aspiration hazard	No classification proposed	-

Aggravated Medical Condition

: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc. may be more susceptible to irritating effects

12. ECOLOGICAL INFORMATION

Product : The product itself has not been tested.

Toxicity

The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Toxicity to fish

Components	End point	Species	Value	Exposure time
Isopropanol	flow-through test LC50	Pimephales promelas (fathead minnow)	9,640 mg/l	96 h
Hexylene glycol	flow-through test LC50	Pimephales promelas (fathead minnow)	8,690 mg/l	96 h

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Diisopropanolamine	LC50	Danio rerio (zebra fish)	1,466 mg/l	96 h
Polyvinyl Alcohol Fully Caponified	LC50 Measured	Lepomis macrochirus (Bluegill sunfish)	10,000 mg/l	96 h
Dipropylene glycol methyl ether	static test LC50	Poecilia reticulata (guppy)	> 1,000 mg/l	96 h
Alcohols, C9-11, ethoxylated (EO = 6)	No data available			
Ethoxylated Linear Alcohol 9 EO	static test LC50	Pimephales promelas (fathead minnow)	3.2 - 3.6 mg/l	96 h
Fragrance - Trade Secret	No data available			

Toxicity to aquatic invertebrates

Components	End point	Species	Value	Exposure time
Isopropanol	semi-static test NOEC	Daphnia magna	30 mg/l	21 d
Hexylene glycol	EC50	Daphnia magna (Water flea)	2,700 - 3,700 mg/l	48 h

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Diisopropanolamine	EC50	Daphnia magna Straus	277.7 mg/l	48 h	
Polyvinyl Alcohol Fully Caponified	No data available				
Dipropylene glycol methyl ether	static test LC50	Daphnia magna (Water flea)	1,919 mg/l	48 h	
Alcohols, C9-11, ethoxylated (EO = 6)	No data available				
Ethoxylated Linear Alcohol 9 EO	EC50	Daphnia magna (Water flea)	4.1 mg/l	48 h	
Fragrance - Trade Secret	No data available				

Toxicity to aquatic plants

Components	End point	Species	Value	Exposure time
Isopropanol	EC50	Desmodesmus subspicatus (green algae)	> 1,000 mg/l	72 h
Hexylene glycol	static test EC50	Pseudokirchneriella subcapitata (green algae)	> 429 mg/l	72 h
Diisopropanolamine	EC50	Desmodesmus subspicatus (green algae)	339 mg/l	72 h
Polyvinyl Alcohol Fully Caponified	No data available			

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Dipropylene glycol methyl ether	EC50	Pseudokirchneriella subcapitata (green algae)	969 mg/l	72 h
Alcohols, C9-11, ethoxylated (EO = 6)	No data available			
Ethoxylated Linear Alcohol 9 EO	static test EC50 OECD Test Guideline 201	Pseudokirchneriella subcapitata (microalgae)	2.01 mg/l	72 h
Fragrance - Trade Secret	No data available			

Persistence and degradability

Component	Biodegradation	Exposure time	Summary
Isopropanol	78 %	20 d	Readily biodegradable.
Hexylene glycol	81 %	28 d	Readily biodegradable.
Diisopropanolamine	94 %	28 d	Readily biodegradable.
Polyvinyl Alcohol Fully Caponified	No data available		
Dipropylene glycol methyl ether	96 %	28 d	Readily biodegradable.
Alcohols, C9-11, ethoxylated (EO = 6)	94 %	28 d	Readily biodegradable.
Ethoxylated Linear Alcohol 9 EO	65 %	28 d	Readily biodegradable.
Fragrance - Trade Secret	No data available		

Bioaccumulative potential

Component	Bioconcentration factor (BCF)	Partition Coefficient n-Octanol/water (log)
Isopropanol	< 100	0.05
Hexylene glycol	No data available	0.58 Calculated
Diisopropanolamine	3.16 estimated	-0.79
Polyvinyl Alcohol Fully Caponified	No data available	No data available

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Dipropylene glycol methyl ether	< 100 Calculated	0.004
Alcohols, C9-11, ethoxylated (EO = 6)	No data available	No data available
Ethoxylated Linear Alcohol 9 EO	No data available	5.9 - < 6.2
Fragrance - Trade Secret	No data available	No data available

Mobility

Component	End point	Value
Isopropanol	Koc	1.1 estimated
Hexylene glycol	No data available	
Diisopropanolamine	Koc	43 estimated
Polyvinyl Alcohol Fully Caponified	No data available	
Dipropylene glycol methyl ether	No data available	
Alcohols, C9-11, ethoxylated (EO = 6)	No data available	
Ethoxylated Linear Alcohol 9 EO	log Koc	4.1 - 5.6
Fragrance - Trade Secret	No data available	

PBT and vPvB assessment

Component	Results
Isopropanol	Not fulfilling PBT and vPvB criteria
Hexylene glycol	Not fulfilling PBT and vPvB criteria
Diisopropanolamine	Not fulfilling PBT and vPvB criteria
Dipropylene glycol methyl ether	Not fulfilling PBT and vPvB criteria
Alcohols, C9-11, ethoxylated (EO = 6)	Not fulfilling PBT and vPvB criteria
Ethoxylated Linear Alcohol 9	Not fulfilling PBT and vPvB criteria

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EO	
Fragrance - Trade Secret	Not fulfilling PBT and vPvB criteria

Other adverse effects : None known.**13. DISPOSAL CONSIDERATIONS**

Consumer may discard empty container in trash, or recycle where facilities exist.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up-to-date shipping information.

	Land transport	Sea transport	Air transport
UN number	1993	1993	1993
UN proper shipping name	UN 1993 FLAMMABLE LIQUID N.O.S. (Isopropanol), 3, III	UN 1993 FLAMMABLE LIQUID N.O.S. (Isopropanol), 3, III	UN 1993 FLAMMABLE LIQUID N.O.S. (Isopropanol), 3, III
Transport hazard class(es)	3	3	3
Packing group	III	III	III
Environmental hazards	-	-	-
Special precautions for user	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.	Limited quantities derogation may be applicable to this product, please check transport documents.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Product not transported as bulk.	Product not transported as bulk.	Product not transported as bulk.

15. REGULATORY INFORMATION

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Notification status : All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Notification status : All ingredients of this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

California Prop. 65 : This product is not subject to the reporting requirements under California's Proposition 65.

16. OTHER INFORMATION

HMIS Ratings

Health	3
Flammability	3
Reactivity	0

NFPA Ratings

Health	3
Fire	3
Reactivity	0
Special	-

This information is being provided in accordance with the Occupational Safety and Health Administration (OSHA) regulation (29 CFR 1910.1200). The information supplied is designed for workplaces where product use and frequency of exposure exceeds that established for the labeled consumer use.

Further information

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Prepared by	SC Johnson Global Safety Assessment & Regulatory Affairs (GSARA)
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